

# Force and Motion

p. 44 – 47 in text book

I. Force - \_\_\_\_\_

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A. Net Force - \_\_\_\_\_

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B. Balanced Forces

1. Definition - \_\_\_\_\_

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2. Circle one – WILL / WILL NOT change an object's motion

3. Net force = 0

*Draw arrow diagram for balanced force from p. 45*

C. Unbalanced Forces

1. Definition - \_\_\_\_\_

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2. Circle one – WILL / WILL NOT change an object's motion

3. Net force  $\neq 0$  (will be a + or – number)

*Draw arrow diagrams for unbalanced forces from p. 45*

**p. 122 – 124 in PSSA book**

II. Types of Forces

A. Contact Force - \_\_\_\_\_

1. Friction - \_\_\_\_\_

\_\_\_\_\_

2. Buoyancy - \_\_\_\_\_

\_\_\_\_\_

3. Tension - \_\_\_\_\_

\_\_\_\_\_

B. Noncontact Forces

1. Magnetic - \_\_\_\_\_

\_\_\_\_\_

2. Electrical - \_\_\_\_\_

\_\_\_\_\_

3. Gravity - \_\_\_\_\_

\_\_\_\_\_